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(71) Applicant (for all designated States except US): BASF AKTIENGESELLSCHAFT [DE/DE]; 67056 Ludwigshafen (DE).

(72) Inventors; and

(75) Inventors/Applicants (for US only): HERFERT, Norbert [DE/US]; 3204 Trefoil Drive, Charlotte, NC 28226-7200 (US). MITCHELL, Michael [US/US]; 8805 Sweetwater Pl., Waxhaw, NC 28173 (US). ENGELHARDT, Friedrich [DE/DE]; Hünfelderstr.20, 60386 Frankfurt (DE).

(74) Common Representative: BASF AKTIENGESELLSCHAFT; .. 67056 Ludwigshafen (DE).

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(54) Title: PLASTICIZED SUPERABSORBENT POLYMER SHEETS AND USE THEREOF IN HYGIENIC ARTICLES

(57) Abstract: A flexible absorbent sheet material containing an acidic water-absorbing resin, a basic water-absorbing resin, and a plasticizer, and its method of manufacture, are disclosed. The sheets contain about 60% to 100% by weight of the acidic and basic water-absorbent resin and plasticizer. The absorbent sheets have unexpected flexibility and structural integrity, while exhibiting exceptional water absorption and retention properties.

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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER

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According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 A61L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EP0-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2002/007166 A1 (MITCHELL MICHAEL A ET AL) 17 January 2002 (2002-01-17) paragraph '0002! paragraph '0092! paragraph '0305! - paragraph '0312! claims 1-3,9,26,32,33 -----	1-27
A	US 5 324 561 A (IWASAKI TOSHIAKI ET AL) 28 June 1994 (1994-06-28) column 2, line 61 -column 3, line 5 column 14, line 35 -column 15, line 11 column 21, line 63 -column 22, line 17 claims 1,4-8 -----	1-27

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax (+31-70) 340-3016

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